

ABSTRACT OF THE DISCLOSURE

A method is disclosed for verifying compatibility of components in a computer system. In one aspect, the BIOS determines the identity of the computer motherboard and chassis, and reads a CPU register to determine MaxCPUPower. The BIOS
5 determines a MaxHostPower value based on characteristics of the identified motherboard and chassis. If MaxCPUPower exceeds MaxHostPower, then an error handler is invoked. In another aspect, the BIOS reads a CPU register to determine MaxCPUTemp, and determines a MinHostTemp value based on the characteristics of the identified chassis and the value of MaxCPUPower. If MinHostTemp exceeds
10 MaxCPUTemp, then an error handler is invoked.